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RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/726,624

DATE: 04/26/2001  
 TIME: 10:41:34

#19

Input Set : N:\Crf3\RULE60\09726624.txt  
 Output Set: N:\CRF3\04262001\I726624.raw

## SEQUENCE LISTING

C--> 5 (1) GENERAL INFORMATION:  
 7 (i) APPLICANT: Li, Min  
 C--> 9 (ii) TITLE OF INVENTION: METHODS OF DETECTION UTILIZING  
 10 MODIFIED BACTERIOPHAGE  
 12 (iii) NUMBER OF SEQUENCES: 9  
 14 (iv) CORRESPONDENCE ADDRESS:  
 15 (A) ADDRESSEE: Banner & Witcoff, Ltd.  
 16 (B) STREET: 1001 G Street, N.W.  
 17 (C) CITY: Washington  
 18 (D) STATE: DC  
 19 (E) COUNTRY: USA  
 20 (F) ZIP: 20001  
 22 (v) COMPUTER READABLE FORM:  
 23 (A) MEDIUM TYPE: Diskette  
 24 (B) COMPUTER: IBM Compatible  
 25 (C) OPERATING SYSTEM: DOS  
 26 (D) SOFTWARE: FastSEQ for Windows Version 2.0  
 28 (vi) CURRENT APPLICATION DATA:  
 C--> 29 (A) APPLICATION NUMBER: US/09/726,624  
 C--> 30 (B) FILING DATE: 30-Nov-2000  
 31 (C) CLASSIFICATION:  
 33 (vii) PRIOR APPLICATION DATA:  
 34 (A) APPLICATION NUMBER: 08/861,572  
 35 (B) FILING DATE:  
 39 (viii) ATTORNEY/AGENT INFORMATION:  
 40 (A) NAME: Kagan, Sarah A  
 41 (B) REGISTRATION NUMBER: 32,145  
 42 (C) REFERENCE/DOCKET NUMBER: 01107.08029  
 44 (ix) TELECOMMUNICATION INFORMATION:  
 45 (A) TELEPHONE: 202-508-9100  
 46 (B) TELEFAX: 202-508-9299  
 47 (C) TELEX: 97430 BMB UT  
 50 (2) INFORMATION FOR SEQ ID NO: 1:  
 52 (i) SEQUENCE CHARACTERISTICS:  
 53 (A) LENGTH: 50 amino acids  
 54 (B) TYPE: amino acid  
 55 (C) STRANDEDNESS: single  
 56 (D) TOPOLOGY: linear  
 W--> 58 (ii) MOLECULE TYPE: None  
 60 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:  
 62 Ala Ala Ala Cys Leu Glu Pro Tyr Thr Ala Cys Asp Leu Ala Pro Pro  
 63 1 5 10 15  
 64 Ala Gly Thr Thr Asp Ala Ala His Pro Gly Arg Ser Val Val Pro Ala  
 65 20 25 30  
 66 Leu Leu Pro Leu Leu Ala Gly Thr Leu Leu Leu Leu Glu Thr Ala Thr  
 67 35 40 45

ENTERED

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```

68 Ala Pro
69 50
71 (2) INFORMATION FOR SEQ ID NO: 2:
73 (i) SEQUENCE CHARACTERISTICS:
74 (A) LENGTH: 9 amino acids
75 (B) TYPE: amino acid
76 (C) STRANDEDNESS: single
77 (D) TOPOLOGY: linear
W--> 79 (ii) MOLECULE TYPE: None
81 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
83 Leu Asn Asp Trp Phe Ile Thr Tyr Ile
84 1 5
86 (2) INFORMATION FOR SEQ ID NO: 3:
88 (i) SEQUENCE CHARACTERISTICS:
89 (A) LENGTH: 9 amino acids
90 (B) TYPE: amino acid
91 (C) STRANDEDNESS: single
92 (D) TOPOLOGY: linear
W--> 94 (ii) MOLECULE TYPE: None
96 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
98 Leu Glu Ala Trp Phe Leu Gln Tyr Ile
99 1 5
101 (2) INFORMATION FOR SEQ ID NO: 4:
103 (i) SEQUENCE CHARACTERISTICS:
104 (A) LENGTH: 15 amino acids
105 (B) TYPE: amino acid
106 (C) STRANDEDNESS: single
107 (D) TOPOLOGY: linear
W--> 109 (ii) MOLECULE TYPE: None
111 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
113 Gly Gly Gly Leu Asn Asp Trp Phe Ile Thr Tyr Ile Gly Gly Gly
114 1 5 10 15
116 (2) INFORMATION FOR SEQ ID NO: 5:
118 (i) SEQUENCE CHARACTERISTICS:
119 (A) LENGTH: 10 amino acids
120 (B) TYPE: amino acid
121 (C) STRANDEDNESS: single
122 (D) TOPOLOGY: linear
W--> 124 (ii) MOLECULE TYPE: None
126 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
128 Trp Asp Pro Ala Val Phe Arg Gly Cys Met
129 1 5 10
131 (2) INFORMATION FOR SEQ ID NO: 6:
133 (i) SEQUENCE CHARACTERISTICS:
134 (A) LENGTH: 10 amino acids
135 (B) TYPE: amino acid
136 (C) STRANDEDNESS: single
137 (D) TOPOLOGY: linear
W--> 139 (ii) MOLECULE TYPE: None

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141      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
143  Leu Gly Ser Gly Gly Val Gln Arg Val His
144    1          5          10
146 (2) INFORMATION FOR SEQ ID NO: 7:
148      (i) SEQUENCE CHARACTERISTICS:
149          (A) LENGTH: 10 amino acids
150          (B) TYPE: amino acid
151          (C) STRANDEDNESS: single
152          (D) TOPOLOGY: linear
W--> 154      (ii) MOLECULE TYPE: None
156      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
158  Met Thr Arg Ala Thr Pro Gly Met Val Phe
159    1          5          10
161 (2) INFORMATION FOR SEQ ID NO: 8:
163      (i) SEQUENCE CHARACTERISTICS:
164          (A) LENGTH: 11 amino acids
165          (B) TYPE: amino acid
166          (C) STRANDEDNESS: single
167          (D) TOPOLOGY: linear
W--> 169      (ii) MOLECULE TYPE: None
171      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
173  Thr Asn Leu Arg Arg Gly Phe Trp Ile Ile Leu
174    1          5          10
176 (2) INFORMATION FOR SEQ ID NO: 9:
178      (i) SEQUENCE CHARACTERISTICS:
179          (A) LENGTH: 11 amino acids
180          (B) TYPE: amino acid
181          (C) STRANDEDNESS: single
182          (D) TOPOLOGY: linear
W--> 184      (ii) MOLECULE TYPE: None
186      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
188  Phe Ser Met Asp Ala Trp Phe Leu Gln Tyr Leu
189    1          5          10

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## VERIFICATION SUMMARY

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Input Set : N:\Crf3\RULE60\09726624.txt

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L:5 M:220 C: Keyword misspelled or invalid format, [(1) GENERAL INFORMATION:]  
L:9 M:220 C: Keyword misspelled or invalid format, [(ii) TITLE OF INVENTION:]  
L:29 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]  
L:30 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]  
L:58 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=1  
L:79 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=2  
L:94 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=3  
L:109 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=4  
L:124 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=5  
L:139 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=6  
L:154 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=7  
L:169 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=8  
L:184 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=9